



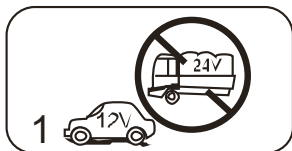
# **RDD 885BTi**

## **MANUAL**

• GB •

## Warnings

1. Only connect this unit to a 12V DC power supply with negative grounding.



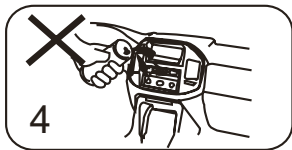
2. Never install this unit where the operation for safety driving is restrained.



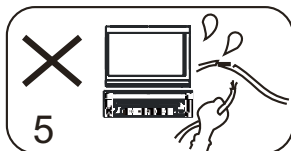
3. Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except using the rear view video camera.



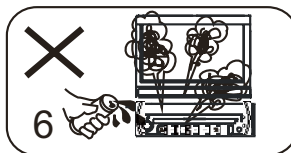
4. Never expose this unit, amplifier, speakers to moisture or water to prevent electronic sparks or fires.



5. Please don't change the fuse in the power cord without professional guidance, improper fuse may cause damage to this using unit or even cause fire.



6. Please power off this unit at once and send it back to the after-sales service center or the dealer / distributor you purchased from if one of the following symptoms is found:




- (a) No audio output;
- (b) No image output;
- (c) Water or other obstacle enters the unit;
- (d) Smoking;
- (e) Peculiar smell.

7. To ensure safe driving, please adjust the volume to a safe and comfort level in case of emergency situations.

## Precautions

1. Never disassemble or adjust the unit without any professional guide. For details, please consult any professional car shop / dealer for inquiry.
2. If the front panel or TFT monitor is squalid, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration to the applicant.
3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual. If no relevant information is found, please press the [RESET] key on the front panel to resume factory default.
4. If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.
5. Using in-car heater in low temperature environment may result in beads coagulate inside the unit, DO NOT use the unit in this situation, eject the disc and wipe off the bead on the disc. If the unit still doesn't work after a few hours, please contact with after-sales service center.
6. No fierce impact to the LCD monitor when it is in open position for preventing the damage to any mechanisms inside.
7. To prevent the damage to the screen, avoid touching it with sharp objects.
8. The monitor employs auto motorizing mechanism, please don't push, pull, or swivel the monitor manually to prevent damage to the core mechanism.
9. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used. However, these illustrations are some different from the actual images displayed on the screen.

10. During operating the unit, “” will display if the current operation is not available or illegal.

11. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

## Declaration

**This product incorporates copyright protection technology that is protected by U.S patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.**

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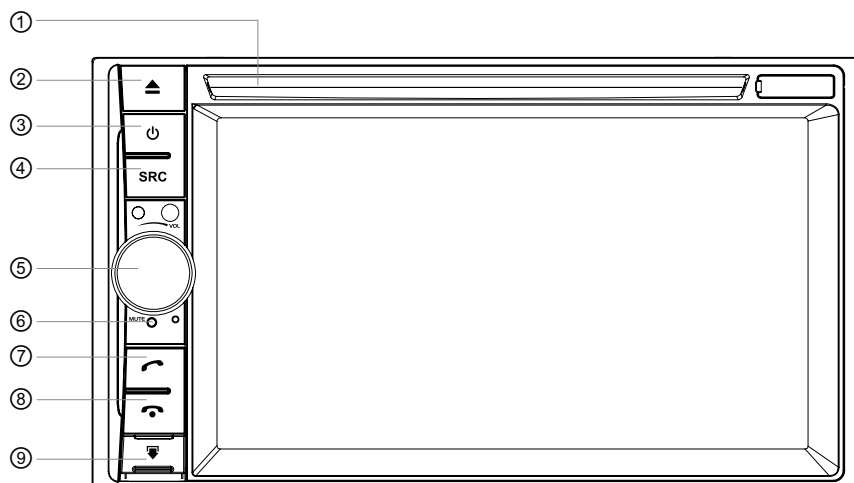
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## Before using

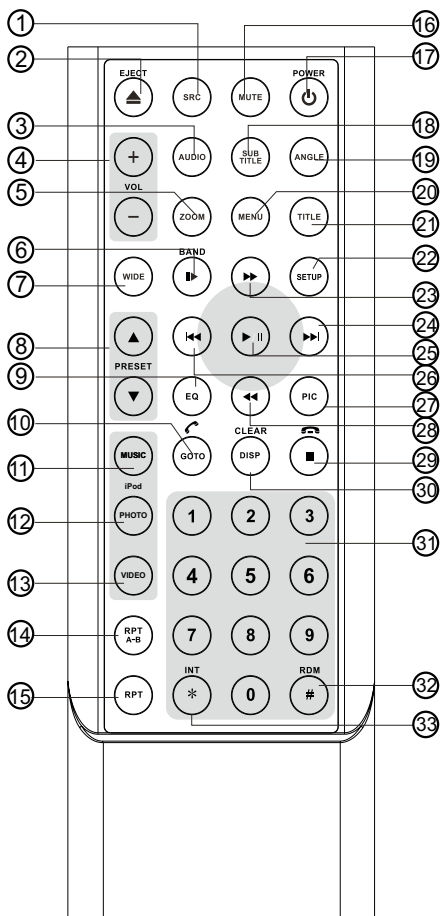
### Front panel



1. Disc slot.
2. [ ▲ ] Key: Press to eject a disc.
3. [ ⏻ ] Key: Press to turn the unit ON/OFF.
4. [ SRC ] Key: Switch to the current mode and main menu / Press and hold to adjust the brightness and contrast of the TFT monitor.
5. [ VOL / MUTE ] Knob: Rotate to adjust volume / Mute audio outputs .
6. Reset the unit.
7. [ 📞 ] Key: Call.
8. [ 📞 ] Key: Hangup.
9. [ ⬇️ ] Key: Push down the key to release the key block, and take off it.

## Before using

### Remote control



#### Note:

*Your remote control may differ slightly from the one pictured here. The above diagram is for illustrative purpose only.*

1. **[SRC]** Key: Select playing source
2. **[EJECT]** Key: Eject disc
3. **[AUDIO]** Key: Select DVD dialogue language
4. **[VOL+/-]** Key: Adjust volume
5. **[ZOOM]** Key: Image zoom in/out
6. **[▶/BAND]** Key: Select radio band
7. **[WIDE]** Key: Change display mode
8. **[PRESET ▲ / ▼]** Key: Select preset radio station
9. **[EQ]** Key: Enter/Exit the EQ setting
10. **[GOTO/↻]** Key: GOTO search/Call
11. **[MUSIC]** Key: Show Music files
12. **[PHOTO]** Key: Show Photo files
13. **[VIDEO]** Key: Show Video files
14. **[RPT A-B]** Key: A-B repeat
15. **[RPT]** Key: Repeat playback
16. **[MUTE]** Key: Mute audio outputs
17. **[POWER]** Key: Unit power
18. **[SUBTITLE]** Key: Select DVD subtitle language
19. **[ANGLE]** Key: Select view angle
20. **[MENU]** Key: DVD MENU / PBC
21. **[TILT]** Key: DVD TITLE
22. **[SETUP]** Key: Setup menu
23. **[▶▶]** Key: Fast Forward
24. **[▶▶]** Key: Auto search / Next
25. **[▶/||]** Key: Play / Pause
26. **[◀◀]** Key: Auto search / Previous
27. **[PIC]** Key: Image setting
28. **[◀◀]** Key: Fast Reverse
29. **[■/⏏]** Key: Stop Playback/Hangup
30. **[DISP/CLEAR]** Key: Display information/ Clear information
31. **[0~9]** Key: Numeric keys
32. **[RDM]** Key: Random playback
33. **[INT]** Key: Intro playback

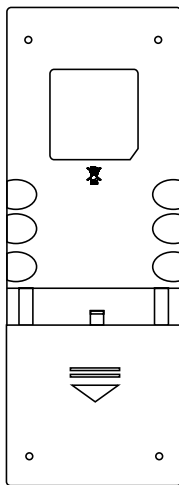
## Before using

### Notes of remote control using

1. Aim the remote control at the remote sensor on the unit.
2. Remove the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
3. DO NOT store the remote control under direct sunlight or in high temperature environment, or it may not function properly.
4. The battery can work for 6 months under normal condition. If the remote control can't work, please change the battery.
5. Use "button shaped" lithium battery "CR2025" (3V) only.
6. DO NOT recharge, disassemble, heat or expose the battery in fire.
7. Insert the battery in proper direction according to the (+) and (-) poles.
8. Store the battery in a place where children cannot reach to avoid the risk of accident.

### Uninstall battery

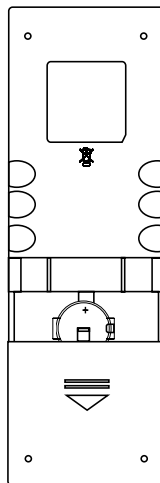
Slide out the battery compartment tray at the bottom on the back of the remote control.



↓ PULL OUT

### Install battery



Use button-shaped lithium battery "CR2025 (3V)" only. Insert the battery to the battery tray with proper direction according to the (+) and (-) poles.



PUSH IN ↑

## Basic operations

### Power on / off

Press the [  ] key to turn the unit on. The buttons on the front of the unit light up and the current mode status appears on the LCD. Press the [  ] key to power off the unit.

### Audible beep confirmation

An audible beep tone confirms each function selection. The Beep tone can be disabled through the Setup menu.

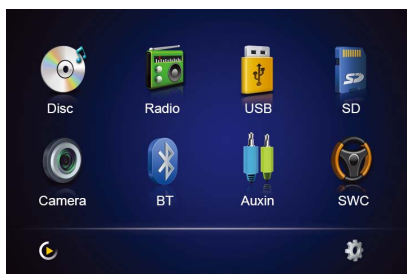
### Mute

Press momentarily to activate the MUTE function. Press again to resume normal listening. If the MUTE wire is connected, audio output mutes when a phone call is received by the mobile phone.

### Open SOURCE MENU

Press the [SRC] key on the front panel or remote control or touch the top left corner of the screen to open the SOURCE MENU.

Do the above operation again to return to the original source.



### Playing source selection

You can use the touch screen to change the source through the SOURCE MENU. To access the SOURCE MENU, touch the top left corner of the screen or press the [SRC] key. Touch the DISC, RADIO, USB, SD, CAMERA, BLUETOOTH (BT), AUXIN or SWC to select the corresponding source.

#### **Note:**

*If an iPod® is attached to the USB port, "iPod" appears instead of the text "USB."*

### Volume adjustment

#### **Volume Increase/Decrease**

To increase or decrease the volume level,

turn the rotary encoder on the front panel. When the volume level reaches "0" or "40", a beep sounds, indicating that the adjustment limit has been reached. The TFT screen displays the volume level for 3 seconds.

#### **Programmable turn-on volume**

This feature allows the user to select a turn-on volume setting regardless of the volume setting prior to turning the unit off. To program a specific turn-on volume level, turn the rotary encoder to adjust the volume to the desired turn-on volume. Push and hold the rotary encoder while the blue speaker icon and level indication is displayed on the screen. The unit will beep to confirm your turn-on volume setting.

### Audio control menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

### System reset

To correct a system halt or other illegal operation, use the tip of a pen to press the [RESET] key located on the panel. After a system reset, the unit restores all factory default settings.





#### **Note:**

*If the unit is reset while a DVD is playing, the DVD resumes play once the reset is complete.*

### Change aspect ratio

Press the [WIDE] key on the remote control to adjust the aspect ratio.

### Image settings

1. Enter image setting mode  
Press the [PIC] key on the remote control.
2. Select one item to adjust  
Rotate to adjust volume knob or press the [  ]/[  ] keys on the remote control.
3. Adjust the value  
Rotate to adjust volume knob or press the [  ]/[  ] keys on the remote control.
4. Exit image setting mode  
To exit image setting mode, repeat the first step or stop operation for some seconds.



## RDS operations

The unit provides basic functions of RDS, including PI (Program Identification), radio station name, RT (Radio Text), CT (Clock Time), AF (Alternative Frequency), TA (Traffic Announcement) and PTY (Program Type) Selection.

### AF function

Alternative Frequencies Lists are used for the same program service and used in conjunction with the PI code (Program Identification code) to assist automatic tuning. Using this information, a radio can automatically search out another station that is playing the same material. This is useful when the station you are listening to is fading out.

To activate AF function, touch the **[AF]** button on the user interface.

To cancel this function, do the operation above again.

#### **Note:**

*During auto switching radio frequency, some interference could be heard. Turning off AF function can settle this problem.*

### TA function

The TA (Traffic Announcement flag) function lets the unit receive traffic announcements automatically no matter what media source is playing back. The TA function can be activated by a TP (Traffic Program) station broadcasting traffic information.

When TA is activated and a traffic announcement is received, the current playing source will be overridden by the traffic announcement if the current radio band is FM and the 'TA' indicator lights up, indicating that the unit is waiting for traffic announcements.

The unit returns to the original source after the traffic announcement has been received.

To activate TA function, touch the **[TA]** button on the user interface.

To cancel this function, do the operation above again.

### PTY function

PTY is the abbreviation for Program Type which is a code defining the type of program being broadcast (e.g. News or Rock).

Six PTY options will display on the screen. To view more PTY options, touch the scroll bar and arrows on the screen.

When one PTY option is touched (e.g. News), auto search for next available PTY by increasing tuning frequency until the PTY of the next station matches the current. If no matched PTY has been found, the unit will return to the original radio frequency.

### PS(Program service)

Used for receiver displays of an 8 character alpha numeric Program Service name which may use Upper or Lower case characters, e.g. {BBC\_4\_FM}, {Classic\_}.

### CT (Clock time)

Some stations broadcast the time and date within the encoded RDS signal. The clock time is automatically adjusted when "CT" is set to "On".

### RT (Radio text)

When this function is activated, the unit will display short message data transmitted from the provider, such as station information, the name of the current broadcasting song and the artist name.

## Radio mode

### Select radio as playing source

Open the SOURCE MENU and then touch [RADIO].



### Select one radio band

Press the [BAND] key on the remote control or touch the [ ] icon on the user interface to select one radio band among FM1, FM2, FM3, AM1 and AM2.

### Tune

#### Auto tuning

Press the [ ] / [ ] key on the remote control or touch the [ ] / [ ] icon on the user interface to seek a higher / lower station. To stop searching, repeat the operation above or press other keys having radio functions.

#### Note:

*When a station is received, searching stops and the station is played.*

#### Manual tuning

During manual tuning, the frequency will be changed in steps.

Press the [ ] / [ ] key on remote control or touch the [ ] / [ ] icon on the user interface to tune in a higher / lower station.

Touch the numeric keypad icon ( ) and then touch the numeric buttons to input the radio station frequency numbers.

### Preset station

The unit has 5 bands, such as FM1, FM2, FM3, AM1, AM2, and each band can store 6 stations; hence the unit can store 30 stations in total.

### Manual store

1. Tune to a station.
2. Touch [ ].
3. Touch one of the channels P1 to P6 to save the selected band.

### Auto store (AS)

To select six strong stations and store them in the current band:

1. Select a band (if needed).
2. Touch [AS] on the on-screen controls to activate the Auto Store function.

The new stations replace stations already stored in that band. If you have already set the preset memories to your favorite stations, activating the Auto-Store feature will erase those stations and enter the new strong stations. This feature is most useful when travelling in an area where you are not familiar with the local stations.

### Preview scan (SCAN)

To scan the AM or FM band for a preview of available stations in your particular area, touch [ ] icon. The scan function will play the first 5 seconds of each station.

When a desired station is reached, touch [ ] icon again. Play of the selected station will continue and the preview scan will stop.

### Recalling a station

1. Select a band (if needed).
2. Touch an on-screen preset button to select the corresponding stored station.

### Local radio station seeking (LOC)

When the Local function is on, only radio stations with a strong local radio signal are played. To activate the Local function in the AM/FM tuner mode, touch [MORE] on the screen. The Options tab is revealed. Touch [ ] icon and choose the Radio Local or Distance. When the Local function is active, the LOC indicator at the top of the screen is illuminated. When the Distant function is active, the DX indicator at the top of the screen is illuminated.

### EQ Selection

Touch the [ ] icon and enter the EQ setup.

# Playback

## Insert a disc

Upon inserting a disc, the unit will switch to [DISP] mode automatically.

### Notes:

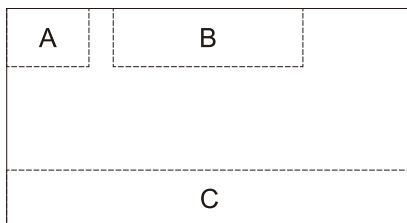
1. Please confirm whether there is a disc in the unit before you insert another one.
2. Some recorded discs, such as CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD+RW cannot be played back because of different recording status. Otherwise, the discs without being closed could not be played back.
3. About the cautions of disc using, please refer to the appendix.
4. Don't pledge to be compatible with all disc.

## Eject the disc

Press the [▲] key on the front panel or remote control to eject the disc.

## Touch screen controls

The touch key areas for DVD playback are outlined below:



- A - Open SOURCE MENU  
B - Display playback information  
C - Display onscreen control menu

## Using USB device

1. Connect your USB device to the extension box with USB / SD / Audio Aux-in.
2. To remove the USB device, you should first select another source, in order to avoid damaging the USB device.

### Notes:

1. If there are audio files supported in the USB stick, the system will enter the audio files menu automatically.  
If there are no audio files, but there are video files supported in the USB stick, the system will enter the video files menu automatically.

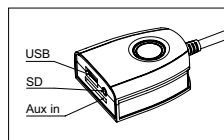
If there are no audio or video files, but there are picture files supported in the USB stick, the system will enter the picture files menu automatically.

If there no above audio/video/picture files supported in the USB stick, the screen will display: There are no audio/video/picture files supported.

2. Not all kinds of USB devices are compatible with the unit.

## Using SD/MMC card

1. Insert the SD/MMC card into the SD/MMC card slot on the extension box with USB / SD / Audio Aux-in. Play starts automatically.
2. To remove the card, you should first select another source, in order to avoid damaging the card.



## Play

Once a disc, or a USB device is inserted, play starts automatically.

## Pause

When play the audio/video file, press the [▶/⏸] key on the remote control or open the on-screen control icons menu and then touch the [▶/⏸] icon, press the [▶/⏸] again and continue to play.

## Stop

For audio files or video files, press the [■] key on the remote control or open the on-screen control icons menu and then touch the [■] icon to stop. Press the [▶/⏸] to resume from the pausing point.

Touch the [■] icon again to stop entirely, and press the [■] key on the remote control. Press the [▶/⏸] to playback from the top file.

## Fast rewind/Fast forward

### For CD/MP3/WMA

Press the [⏮] key on the remote control or

# Playback

press and hold [▶▶] icon on the screen to fast forward;

Press the [◀◀] key on the remote control or press and hold [◀◀] icon on the screen to fast rewind;

## For DVD/VCD/MPEG

Press the [▶▶] icon to fast forward.

Press the [◀◀] icon to fast rewind.

## Play the next or previous file

Press [◀◀] to select the previous file, and press [▶▶] to select the next file.

## Repeat playback

Press the [RPT] key on the remote control or open the on-screen control icons menu and then touch the [↔] icon to switch the repeat modes as below:

Disc type	Repeat mode
DVD	Repeat chapter → Repeat title → Repeat off
VCD(PBC off)	Repeat single → Repeat all → Repeat off
CD	Repeat single → Repeat folder → Repeat all → Repeat off
MP3/WMA	Repeat single → Repeat folder → Repeat all → Repeat off
MPEG	Repeat single → Repeat folder → Repeat all → Repeat off
Picture	Repeat single → Repeat folder → Repeat all → Repeat off

### Note:

*When play the VCD disc, open the [PBC] function and the [repeat] function is abated.*

## Repeat A-B

When a DVD, VCD is played back, you can play back the contents between the time points from A to B repeatedly:

Rep A- → Rep A-B → RepAB Off

## Random playback

You can play audio tracks/files in random order.

During play CD, touch [⌘] repeatedly to turn random play on or off.

RANDOM [ON]: start random play

RANDOM [OFF]: cancel random play

### Note:

*when the [random] turn off, the unit resume natural play from the current sequence.*

## DVD menu/title

This function is only available for the DVD discs having "MENU / TITLE".

In full screen playing of DVD disc, touch anywhere except for the upper right corner to display menu on the screen, touch the [MENU] icon and enter the DVD control menu interface, touch the [TITLE] icon and enter the TITLE control menu interface.

## Select audio channel

For DVD containing multi-language audio files, press the [AUDIO] key on the remote control repeatedly or open the DVD control menu control icons menu and then touch the [AUDIO] icon repeatedly to change dialogue language.

## Select subtitle language

Press the [SUBTITLE] key on the remote control repeatedly or open the on-screen control icons menu and then touch the [SUBTITLE] icon repeatedly to choose a subtitle language.

## PBC function

This function is available for the VCD discs with PBC function (Ver 2.0 or higher).

Press the [MENU] key on the remote control or open the on-screen control icons menu and then touch the [PBC] icon repeatedly to activate this function.

Press again to cancel.

### Notes:

1. When PBC is on, playback goes back to the track list and starts from the first track.
2. When PBC is on, fast motion playback, slow motion playback or skip search is available but repeat playback and searching for a particular chapter or track is prohibited.
3. If you do the operation of random playback, scan playback or searching playback when PBC is on, PBC will be off automatically.

## Zoom in /out

During picture playing back, press the [ZOOM] key on the remote control or open the on-screen control icons menu and then touch the [Q] icon to zoom the picture.

# Playback

## Playback information display

Touch the top center area of TFT LCD when playing back DVD and VCD discs and the playback information will be displayed on the top area of the TFT.

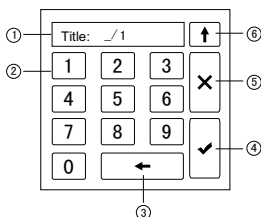
## Rotate picture

When one picture file is playback, you can rotate the picture to get proper view angle by press the **[ANGLE]** key on the remote control repeatedly or open the on-screen control icons menu and then touch the **[↺]** icon repeatedly.

## Select a particular file

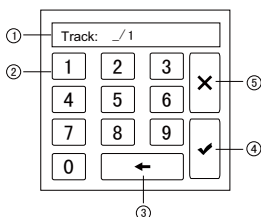
During playing the DVD disc / USB, touch anywhere except for the down right corner to display menu on the screen.

For DVD, touch the **[■]** icon to display information and shown as below:



1. Input area
2. Choose area of the track and number
3. Delete the input track and number step by step
4. Display the information of searching: Title/ track
5. Exit the setup interface
6. Choose item of the chapter or title.

For VCD / CD, touch the **[■]** icon to display information and shown as below:



1. Input area
2. Choose area of the track and number
3. Delete the input track and number step by

step

4. Display the information of searching: Title/ track
5. Exit the setup interface

## Playback information

Touch the top center area of TFT LCD when playing back DVD and VCD discs and the playback information will be displayed on the top area of the TFT.

### For DVD

- |   |                        |
|---|------------------------|
| ① | DVD Video              |
| ② | Time 00:00:59/00:00:43 |
| ③ | Title 15/30            |
| ④ | Chapter 1/2            |

- |   |                    |
|---|--------------------|
| ⑤ | Audio 1/1 6 ch Eng |
| ⑥ | Subtitle Off       |
| ⑦ | Angle 1/1          |
| ⑧ | Bitrate 0.000Mbps  |

1. Disc type.
2. Elapsed time of the current title.
3. DVD Title information. "5/8" indicates that this DVD has 8 titles and the title playing back now is the fifth title.
4. DVD Chapter information. "2/16" indicates that current title has 16 chapters and the chapter playing back now is the second chapter.
5. Indicates that the subtitle of this DVD has been recorded in 6 languages and the language displayed now is the second, that is English.
6. Touch the **[SUB TITLE]** button repeatedly to choose a subtitle language.
7. Multi angle.
8. Bitrate.

### For VCD

- |   |                        |
|---|------------------------|
| ① | VCD 2.0                |
| ② | Time 00:00:59/00:00:43 |
| ③ | PCB On                 |

1. Disc type.
2. Elapsed time of the current track.
3. PCB function indicator. "PBC On" indicates that PBC function has been activated.

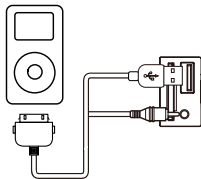
# Playback

## On-screen control icons

Disc type Icon	MP3/WMA	CD	VCD	DVD	MPEG	Picture
	Numeric keypad	Numeric keypad	Numeric keypad	Numeric keypad	Numeric keypad	Numeric keypad
	Setup menu	Setup menu	Setup menu	Setup menu	Setup menu	Setup menu
	/	/	Fast forward	Fast forward	Fast forward	/
	/	/	Fast rewind	Fast rewind	Fast rewind	/
	Previous	Previous	Previous	Previous	Previous	Previous
	Next	Next	Next	Next	Next	Next
	Play/Pause	Play/Pause	Play/Pause	Play/Pause	Play/Pause	Play/Pause
	Stop	Stop	Stop	Stop	Stop	Stop
	A second menu	A second menu	A second menu	A second menu	A second menu	A second menu
	Repeat	Repeat	Repeat	Repeat	Repeat	Repeat
	Random	Random	Random	Random	Random	/
	/	/	/	/	/	Rotate
	/	/	Zoom	/	/	Zoom
	EQ setup	EQ setup	EQ setup	EQ setup	EQ setup	/
PBC	/	/	PBC	/	/	/
A-B	/	/	A-B repeat	A-B repeat	/	/
	/	/	Exit menu	Exit menu	Exit menu	Exit menu
Audio	/	/	Channel switching	Dialog Language	Dialog Language	/
Sub	/	/	/	Subtitle Language	Subtitle Language	/
DISP	/	/	Display information	Display information	Display information	Display information
MENU	/	/	/	DVD MENU	/	/
TITLE	/	/	/	DVD TITLE	/	/
Music	Music file	/	/	/	/	/
Photo	Photo file	/	/	/	/	/
Video	Video file	/	/	/	/	/
List	Playlist	/	/	/	/	/
1/2	/	/	Slow playback	Slow playback	Slow playback	/
SCAN	Scan playback	Scan playback	/	/	/	Scan playback
	/	/	/	DVD angle	/	/

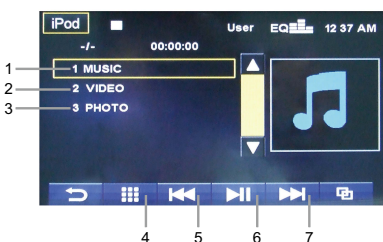
## iPod mode

Connect an iPod or iPhone to the USB connector via an iPod cable.

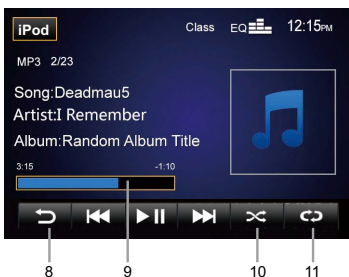


### Accessing iPod mode

Touch **[IPOD]** on the main menu to enter iPod mode.



1. Show Music files
2. Show Video files
3. Show Photo files
4. Search menu
5. Previous track
6. Play/Pause
7. Next track



8. File list
9. Progress bar
10. Repeat play
11. Shuffle play

### Pausing play

1. Touch the [▶/||] button on the bottom of the screen to pause play.
2. Touch [▶/||] button again to resume play.

### Selecting a track

#### Track-up

Touch the [▶▶] button to move to the beginning of the next track.

#### Track-down

1. Touch the [◀◀] button to move back to the beginning of the current track.
2. Touch the [◀◀] button twice to move back to the beginning of the previous track.

### Fast forward/Fast reverse

#### Fast forward

Touch and hold the [▶▶] button.

#### Fast reverse

Touch and hold the [◀◀] button.

### Repeat play

This function allows you to play the track repeatedly.

Touch the [↺] button to select Repeat one or Repeat all.

### Random play

This function allows you to play all tracks recorded in a random order.

Touch the [↻] button to perform random play.

### Search function

1. Touch the [⋮] button to enter search menu.
2. Input number by touching buttons on the screen, then touch [✓] to begin searching. Touch [←] button to delete inputted number. Touch [✕] button to exit search menu.

## Bluetooth mode

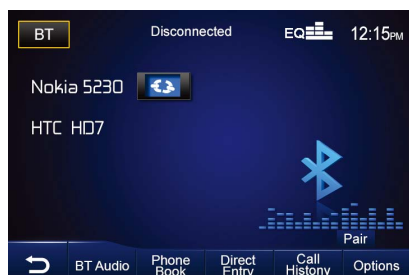
Bluetooth is a wireless transmission way for short distance. The built-in bluetooth can connect with the mobile phones having bluetooth function.

After connecting, you can control your mobile phone through the unit.



You can make or receive phone calls with Bluetooth-enabled phones through the unit. You can also listen to music from a Bluetooth-enabled device.

### Select bluetooth as playing source

Open the SOURCE MENU and then touch [BT].



### Disconnect Bluetooth Device

To disconnect one device, touch [  ].  
[  ] is displayed.

#### Notes:

1. The device will also be disconnected when the device is moved beyond the operational range.
2. If you want to reconnect the device to the unit, place it within the operational range.

### Work modes of bluetooth module

The bluetooth module has two work modes, which are phone mode and music mode. Touch the mode switch icon to switch to its corresponding mode. Under phone mode, hand-free, call and other phone functions are available. Under music mode, you can enjoy the music played back by your mobile phone through the speakers in your car and you can control the playback.

## Phone mode

### Pairing

Use this function to establish a connection between the Bluetooth module and your mobile phone.


1. Switch the work mode of the Bluetooth module to phone mode, select the Bluetooth sub-menu and then set the "Bluetooth" options to "ON".
2. Turn on the Bluetooth function of your mobile phone and start to search Bluetooth devices.
3. After the name of the Bluetooth module appears on the pairing list on your mobile phone, you should select it. At this time, a pairing code is required. The Bluetooth module will exit pairing mode if there is no pairing instruction from your mobile phone during the pairing time (90s) and 'Phone Pairing Fail' is displayed on the screen.
4. Enter the pairing code (1234 by default) to initiate the pairing process. The paired mobile phone name will display on the screen.

### Make a call

The Bluetooth module will download phone book and call records from your mobile phone after pairing.

Touch [Call History] to search for phone number from the following list:

- [Missed calls]
- [Received calls]
- [Dialed calls]

Touch [Phone Book] to select phone number to dial, or touch [Direct Entry] to dial number directly, then touch [  ] to dial.

### Receive a call

By default, all incoming calls are received automatically.

1. If there is incoming call, the incoming call and "Incoming Call" appear on the screen. Speak into the Bluetooth microphone.
2. When conversation ends, touch [Hangup] to terminate the call.

#### Note:

You can select to receive calls manually by set [Auto Answer] to [OFF] status.



## Bluetooth mode

### Switch phone call to the mobile

If you do not want your passenger to hear your incoming call, you can switch the call to the mobile.

1. During talking, touch **[Transfer Call]**.  
The voice is transferred from the unit's loudspeaker to the mobile phone.

### Adjust bluetooth settings

1. In Bluetooth menu, touch **[Options]**.  
The option menu is displayed.
2. Touch on the selected option to change the setting.
  - **[Bluetooth]**: To turn ON or OFF "Bluetooth" function.
  - **[Auto Connect]**: To turn ON or OFF "Auto Connect" function.
  - **[Auto Answer]**: To turn ON or OFF "Auto Answer" function.
  - **[Pairing Code]**: To set pairing code.
  - **[DeviceName]**: Device name is displayed.

### Play music

If the connected Bluetooth device supports Advanced Audio Distribution Profile(A2DP), you can listen to the music stored on the device through the unit. If the device also supports Audio Video Remote Control Profile(AVRCP), you can use the control on the unit or its remote control to play music stored on the device.

1. Pair the device with the unit.
2. Touch the upper left corner to return to home menu.
3. Touch **[BT]**, the Bluetooth menu is displayed.
4. Touch **[BT Audio]**, touch **[▶]** to start play music via device.

## Other modes

### AUX

External peripheral devices with RCA audio and video outputs can be connected with the unit.

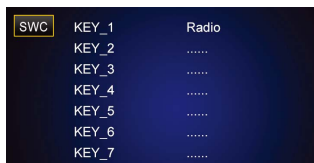
To enter AUX IN mode, open the SOURCE MENU and then touch **[Auxin]**.

### Camera

This player is "camera ready". Before accessing any camera features, you must purchase and install a rear video camera. Once the rear camera is connected and operating properly, the CAMERA source mode will become active. While the camera is not installed, the CAMERA option appears gray, indicating the function is not available. The playing source will change to "CAMERA" mode automatically when you reverse your car.

### SWC

Open the SOURCE MENU and then touch **[SWC]**.



By the setting, you can use the button of the steering wheel to control volume, select track etc.

#### Setting below:

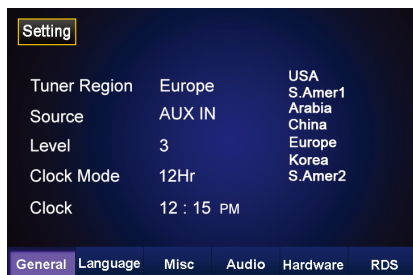
1. To connect your steering wheel control device to the unit.
2. Enter the setting menu.
3. Touch the anyone key from "KEY 1" to "KEY 7", and the opposite function key turns bright.

#### For example:

1. Touch "KEY 1" function ;
2. And long-touch the function key from the car, the screen display: "MUTE" / "VOL+" / "VOL-" / "SEEK DOWN" / "SEEK UP" / "SOURCE" / "BAND" / "NULL"
3. Touch the anyone key that you want, and the setting is success.

Touch the nether left corner of the screen to exit, the setting of the other keys as the same as the above.

# Setup



## Setup procedures

### 1.Enter setup mode

Press the [SETUP] key on the remote control or touch the setup icon [⚙️] on the user interface.

The following menu appears after entering the setup mode.

The General sub-menu is highlighted by default.

### 2.Select one sub-menu

Press the direction keys on the remote control or Touch on the option to display/select an option.

### 3.Select one item

Press the [▶▶] / [◀◀] key on the remote control to select one item and then press the [▶|◀] key to confirm.

### 4.Select one value

Press the [▶▶] / [◀◀] key on the remote control to select one suitable value and then press the [▶|◀] key to confirm.

#### Note:

All following settings can be done by touching the option directly.

## General

- Tuner Region  
The unit provides several radio systems and you can select a correct radio system according to your country.
- Source  
Choose a source for which you would like to increase or decrease the relative volume (LEVEL).
- Level  
You can set relative volume level from 0 to 6.

- Clock mode  
12Hr: Clock displays 12 hour time using AM and PM.  
24Hr: Clock displays 24 hour time up to 23:59.

- Clock  
Clock appears in the top right corner of the screen during certain operations.

#### Note:

The AM/PM indication will change as you continue to adjust the hour past 12.

## Language

- Language  
Select one language of system menu display.
- Subtitle  
Select one subtitle language of DVD disc.  
**Note:**  
If the DVD disc does not contain the selected language, the subtitle will be displayed in default language.
- Audio  
Select one dialogue language of DVD disc.  
**Note:**  
If the DVD disc does not contain the selected language, the dialogues you listening to will be in default language.
- DVD menu  
Select one language of DVD MENU display.  
**Note:**  
If the DVD disc does not contain the selected language, the DVD MENU will be displayed in default language.

## Misc

- Beep  
On: When turned on, an audible beep tone confirms each function selection.  
Off: No beep sounds.
- TsCal  
When the touch function is not sensitive or valid, you should calibrate the touch screen by this function.  
Calibrate the touch screen just following the screen introductions after entering the TS CAL mode.
- DRC  
Employ the Dynamic Range Control for better playback for low volumes.

# Setup

- Load Factory  
Select "Reset" to restore the factory default settings for the Rating system only.

## Audio

- Loudness  
Select low frequency boost only or high and low frequency boost.
- Subwoofer  
Turns the subwoofer output on or off.
- Sub Filter  
Select a crossover frequency to set a cut-off frequency for the subwoofer's LPF (low-pass filter).
- Bass Q  
Adjust the Q / Bandwidth of the Bass response of the selected BCF (Bass Center Frequency).
- Mid Q  
Adjust the Q / Bandwidth of the Midrange response of the selected MCF (Midrange Center Frequency).

## Hardware

- Key Color  
Choose the key backlight color Red or Blue.
- Camera In  
Normal: Actual scenes shot by the camera display on the TFT monitor while reverse driving (just like what you are looking).  
Mirror: The mirror images of actual scenes display on the TFT monitor while reverse driving (just like looking from the rearview mirror).
- Video input  
NTSC: Set the color system of the TFT screen to NTSC.  
PAL: Set the color system of the TFT screen to PAL.  
AUTO: Set the color system of the TFT screen automatically by the unit according to the input video formats.

## RDS

- RDS  
Turn On/Off the RDS feature.
- CT  
System time is synchronized with current broadcast station time (Clock Time).  
Setting this feature to On will automatically set your system clock.
- TA VOL  
You can adjust TA volume from 0 to 7.

# Adjust sound

## Adjust volume

To adjust volume, rotate the volume knob on the host car audio.

## Mute

When playback, press the VOLUME knob on the panel or press the **[MUTE]** key on the remote control, the sound is cut off.

To resume sound, press the button again.

## Select preset equalizer

You can select preset equalizer:

[User] → [Rock] → [Hip Hop] → [Dance] → [Latin] → [Rave] → [Urban] → [Acoustic]

1. Touch **[EQ]** on the screen.
2. The current equalizer setting is displayed.
3. Touch **[+]** or **[-]** to select an EQ.
3. Touch **[+]** or **[-]** to adjust below settings:



- **[Bass]** bass range: -14 to +14
- **[Mid]** middle range: -14 to +14
- **[Treb]** treble range: -14 to +14
- **[Mcf]** low pass filter range: 60, 80, 100, 200
- **[Bcf]** middle pass filter range: 0.5k, 1k, 1.5k, 2.5k
- **[Tcf]** high pass filter rang: 10k, 12.5k, 15k, 17.5k

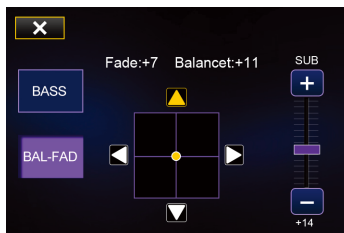
4. Touch **[X]** on the screen to exit.

## Adjust rader/balance

You can also adjust the front and rear speaker balance, the left and right speaker balance, and subwoofer settings.

1. Touch **[EQ]** on the screen.
2. Touch **[BAL-FAD]**.

Below options are displayed:



3. Touch **[+]** or **[-]** to select subwoofer volume.
  - **[Sub]** subwoofer volume: -14 to +14.
4. Touch **[◀]**, **[▶]** or **[▲]**, **[▼]** to adjust fader/balance value.
  - **[Fade]** fader range: -16 to +16 (F=front range, R=rear range)
  - **[Balance]** balance range: -16 to +16 (L=left range, R=rear range)
5. Touch **[X]** on the screen to exit.

# Troubleshooting

What appears to be trouble is not always serious. Please check the following points before calling a service center.

Problem	Cause	Corrective action
<b>General</b>		
Unit can not power on	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
	Illegal operation	Reset the unit.
Remote control does not work	Battery depleted.	Change the battery.
	Battery installed incorrectly.	Install the battery correctly.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Piratic disc is in use.	Use original disc.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Tel-Mute malfunction	MUTE wire is grounded.	Check the 'MUTE' wiring and correct.
Unit resets itself when engine is off	Incorrect connection between ACC and BATT.	Check wiring and correct.
<b>TFT monitor</b>		
Monitor does not open automatically	TFT Auto Open is turned off.	Turn TFT Auto Open on.
Warning information is shown at all times	Parking break wiring is not correct.	Check wiring and correct.
Flashing image or interference appears on screen	The color system of DVD disc does not match the monitor.	Adjust the color system of the DVD disc playing back or the monitor in use.
	Piratic disc is in use.	Use original disc.
	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.

# Troubleshooting

(Continued)

Problem	Cause	Corrective action
<b>Disc playback</b>		
Cannot insert disc	A disc inside the unit already.	Eject current disc and insert new one.
Disc does not play back	Disc is warped or scratched.	Use disc in good condition.
	Disc is dirty or wet.	Clean disc with soft cloth.
	Incompatible disc is used.	Use compatible disc.
	Disc is inserted upside down.	Insert disc with label side up.
	Disc region code is not compatible with unit.	Use disc with proper region code.
PBC cannot be used during VCD playback	PBC is not available on the disc.	Use disc with PBC available.
Repeat or search function is invalid during VCD playback	PBC is on.	Turn PBC off.
<b>Error messages</b>		
No disc	Disc is dirty.	Clean disc with soft cloth.
	Disc is upside down.	Insert disc with label side up.
	No disc inside.	Insert disc.
Bad disc	Disc is dirty.	Clean disc with soft cloth.
	Disc is upside down.	Insert disc with label side up.
Unknown disc	Disc format is not compatible with this unit.	Use disc with compatible format.
Region Error	DVD region code is not compatible with this unit.	Use disc with compatible region code.

# Device connections

## Notes of connection

- This unit is designed to be used in a vehicle with a 12-volt battery and negative grounding. Before installing this unit to a recreational vehicle, a bus, or a truck, make sure the battery voltage is appropriate for this unit to be used, otherwise, install a transformer by professional to convert the output voltage to 12V.
- To avoid short circuit in the electrical system, ensure that the negative battery cable is disconnected before installation.
- To prevent short circuit in the wiring and damaging to this unit, secure all wirings with cable clamp or adhesive tape. Route the wirings in a secured, out of heating place without touching any moving parts such as gear shift, handbrake, and seat rails to prevent the wiring insulation being melted / wore off.
- Never pass the yellow power cord through the installation hole into the engine compartment and connect to the car battery. Otherwise, a high possibility of serious short circuit to the electrical system may be occurred.
- Replacing a new fuse with 15A rating when the old one is broken, using no fuse or fuse with improper rating may cause damage to this unit or even fires. If a proper fuse is installed and electrical problems still occur, please contact with any professional car shops for inquiry.
- DO NOT connect other equipments with the car battery to avoid battery overheating.
- Please make sure all the wiring connections & the cables of the speakers are well-insulated. Otherwise, this unit may be damaged by short circuit.
- If there is no ACC available, Please connect ACC lead to the power supply with a switch.
- If an external power amplifier is connected, please don't connect P.CONT lead to the power lead of the external power amplifier, otherwise, electric spark or other damage may be resulted.
- Never ground the speaker output to prevent the damage to the built-in power amplifier.
- The minimum rating of the speakers connected to this unit is 50W with 4 to 8Ω impedance.

## Control cables

### Auto brightness control

To avoid the display being too bright at night time, if the headlight cable is connected to ILLUMI, turning on the headlight will dim the backlight of the TFT LCD and vice versa.

### Telephone mute

If the MUTE cable is connected to a car phone, other audio outputs mute when one call is received by the car phone.

### Reverse driving

If a rear view camera is connected with the unit, the playing source switches to CAMERA automatically when you start reverse driving.

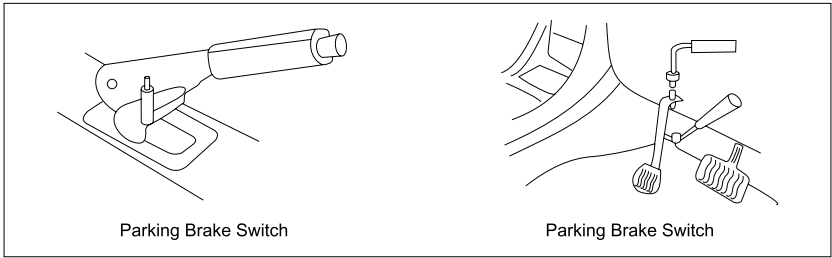
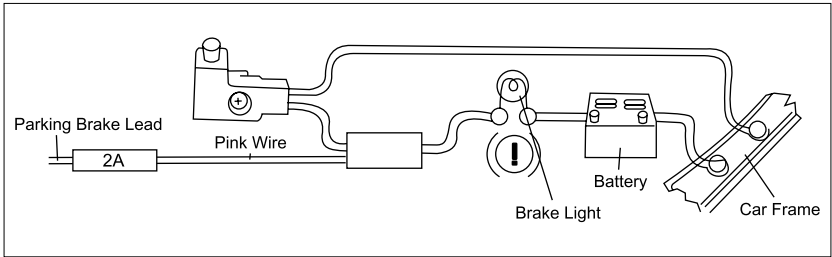
As the reverse driving is done, the playing source switches to the previous.

### Parking brake

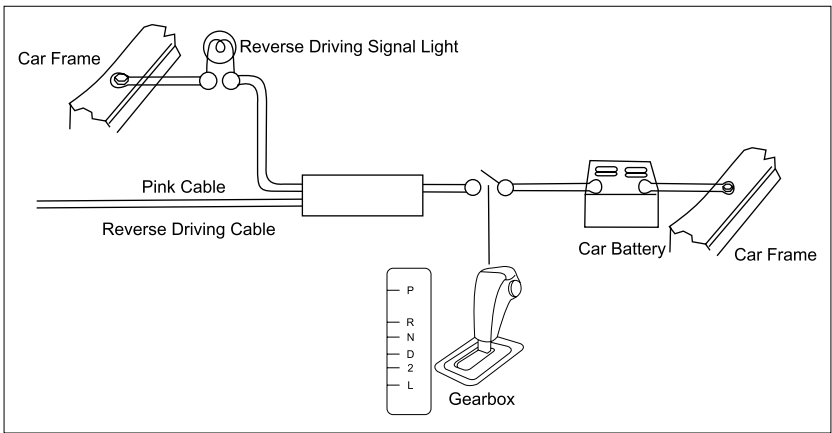
1. If "PRK SW" cable is connected to hand brake switch, video display on the TFT monitor will be controlled by this function.  
Parking cable function ceases when the playing source is CAMERA.
2. The monitor displays the blue screen with warning information to prevent the driver watching video contents during driving, but the passengers at the rear seat can watch video contents normally.

# Device connections

## Parking brake cable connections



## Reverse driving cable connections





# Installation and uninstall

## ISO-DIN Installation

This unit is designed to fit into a 2.0 DIN dashboard opening, found in many imported cars. The unit has threaded holes in the chassis side panels which may be used with the original factory mounting brackets of some vehicles to mount the radio to the dashboard. Please consult with your local car stereo specialty shop for assistance on this type of installation.

1. Remove the existing factory radio from the dashboard or center console mounting. Save all hardware and brackets as they will be used to mount the new radio.
2. Remove the factory mounting brackets and hardware from the existing radio and attach them to the new radio.

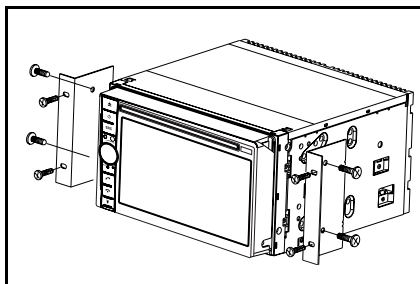
### **CAUTION!**

*Do not exceed M5 X 6MM screw size. Longer screws may damage components inside the chassis.*

3. Place the radio in front of the dashboard opening so the wiring can be brought through the mounting sleeve. Follow the wiring diagram carefully and make certain all connections are secure and insulated with wire nuts or electrical tape. After completing the wiring connections, plug the ISO connectors into the mating sockets on the rear of the chassis. Turn the unit on to confirm operation (vehicle ignition switch must be "on"). If the unit does not operate, re-check all wiring until the problem is corrected.
4. Mount the new radio assembly to the dashboard or center console using the reverse procedure in step 1.

### **CAUTION!**

*Be careful not to damage the car wiring.*



### **Note:**

*It is the end-users responsibility to install and operate this unit in a manner in accordance with local, state and federal laws. The PARKING BRAKE wire MUST BE CONNECTED as directed in the manual. CAUTION! Do not block the cooling fan exit. If blocked, the unit may overheat and become damaged.*

# Installation and uninstal

## Installation using half-sleeve

1. Install half-sleeve in the dashboard.
  - a. Install adapter if necessary (optional).
  - b. Install half-sleeve into adapter or dashboard (use only the supplied screws). Do not force the sleeve into the opening or cause it to bend or bow.

**WARNING! Only connect the unit to a 12-volt power supply with proper grounding.**

- c. Locate the series of bend-tabs along the top, bottom and sides of the mounting sleeve. With the sleeve fully inserted into the dashboard opening, bend as many of the tabs outward as necessary so that the sleeve is firmly secured to the dashboard.
2. Use the M5 x 6 screws (provided) to install the mounting brackets to each side of the radio using the holes indicated in the diagram. **DO NOT USE OTHER SCREWS.**
  3. Place the radio in front of the dashboard opening so the wiring can be brought through the mounting sleeve.
  4. Complete wiring as illustrated in the wiring diagram. Once the wiring is complete, reconnect the battery negative terminal. If there is no ACC available, connect the ACC lead to the power supply with a switch.  
**CAUTION! Be careful not to damage the car wiring.**
  5. After completing the wiring connections, turn the unit on to confirm operation (ignition switch must be on). If unit does not operate, recheck all wiring until problem is corrected.  
Once proper operation is achieved, turn off the ignition switch and proceed with final mounting of the chassis.
    - a. Connect wiring adapter to existing wiring harness.
    - b. Connect antenna lead.
    - c. Carefully slide the radio into the half-sleeve, making sure it is right-side-up. Use the supplied screws to attach the radio to the half sleeve.

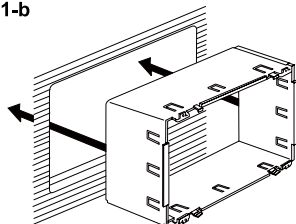
## Using the cosmetic trim ring

Two cosmetic trim rings are packaged with the head unit for installation flexibility. This unit will fit into most import dashes with little or no modification to the dash board/cavity. Some US domestic vehicle dashes will accept a Double-DIN chassis, but there is usually a small gap between the radio and dash piece after installation is complete. In this case, use the appropriate trim ring to conceal any gaps that may be present.

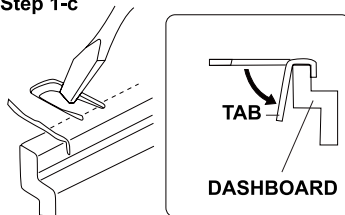
### Note:

For proper operation of the CD/DVD player, the chassis must be mounted within 30° of horizontal. Make sure the unit is mounted within this limitation.

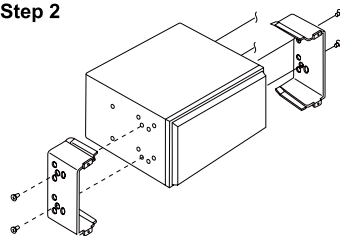
Step 1-b



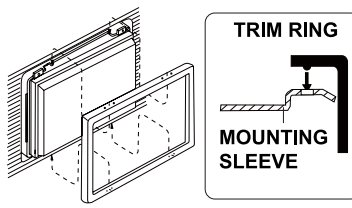
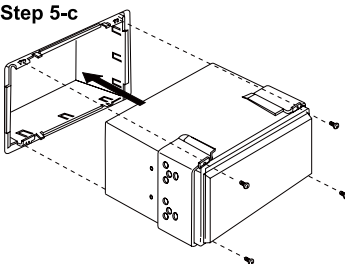
Step 1-c



Step 2



Step 5-c



# Specifications

## DVD/CD Player

Compatible Disc Media: DVD + R / RW (Single and Dual Layer) and CD-R / RW

Compatible Media Formats: CD-DA, MP3, WMA, VCD, Xvid, AVI, MPEG 1/2

Signal to Noise Ratio: >95dBA

Dynamic Range: >95dB

Frequency Response: 20Hz to 20 kHz, -3dB

Channel Separation: > 60dB @ 1 kHz

D/A Converter: High performance 24-bit / 192 kHz sample rate, Multi-Bit Sigma- Delta Modulator

## Video

Format: NTSC, PAL (auto-detection)

Output: 1Vp-p (75-ohm)

Input: 1Vp-p (75-ohm)

## FM Tuner

Tuning Range: 87.5MHz - 108.0MHz

Mono Sensitivity (-30dB): 9dBf

Quieting Sensitivity (-50dB): 15dBf

Alternate Channel Selectivity: 70dB

Signal to Noise Ratio @ 1 kHz: 58dB

Image Rejection: 80dB

Stereo Separation @ 1 kHz: >30dB

Frequency Response: 30Hz - 15 kHz, -3dB

## AM Tuner

Tuning Range: 522 kHz - 1620 kHz

Sensitivity (-20dB): 15uV

Signal to Noise Ratio @ 1 kHz: 50dB

Image Rejection: 60dB

Frequency Response: 50Hz - 2 kHz, -3dB

## Monitor

Screen Size: 6.2" (Measured diagonally), 16:9 Widescreen

Screen Type: TFT Liquid Crystal Display (LCD) active matrix

Resolution: 1,152,000 sub pixels, 800x3 (W) X 480 (H)

## General

Auxiliary Input impedance: 10k

Power Supply: 11 to 16VDC, negative ground

Power Antenna (Blue): 500mA max, current limited protection

Amplifier Remote (Blue/White): 500mA max, current limited protection

Operating Temperature: -20C ~ 65C

Fuse: 15-amp, mini ATO type

DIN chassis dimensions: 7" X 7" X 4" (178mm x 178mm x 100mm)

Weight of the Main Unit: 2.0Kg

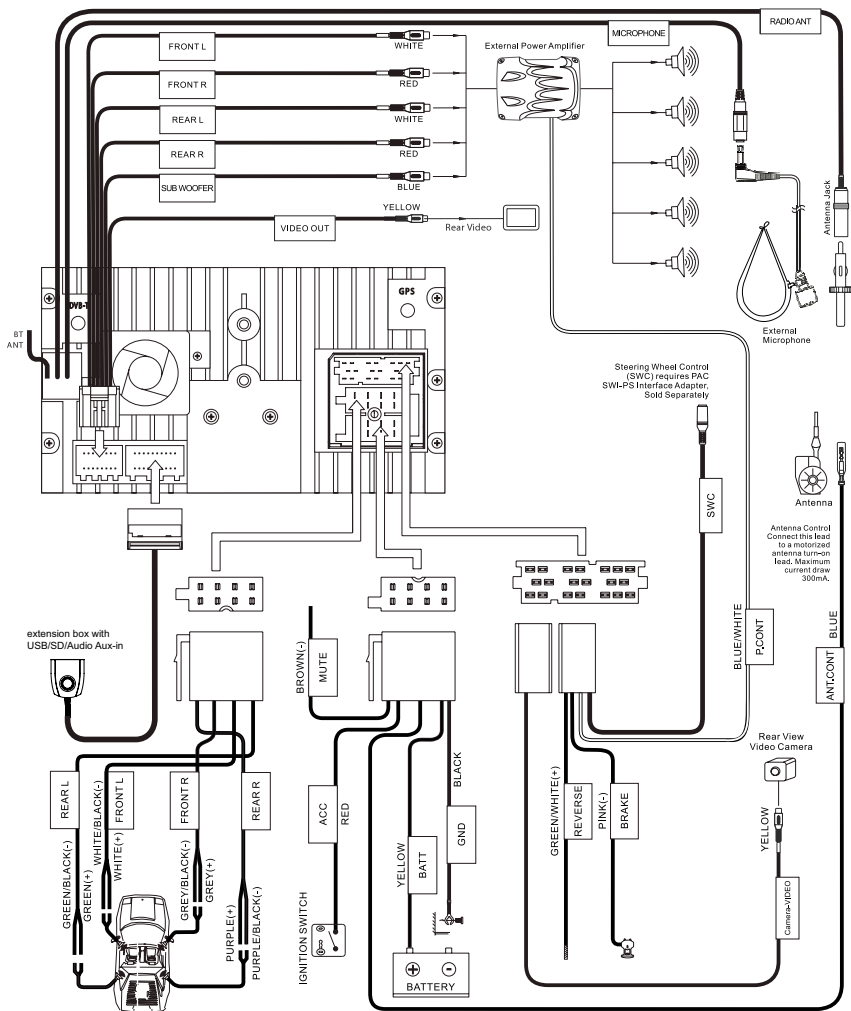
## Note:

*Specifications are subject to possible modifications for improvement without further notice.*

## Appendix

## Wiring diagram

**CAUTION!IMPORTANT:** *Incorrect wiring connections can damage the unit. Follow the wiring instructions carefully, or have the installation handled by an experienced technician.*



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